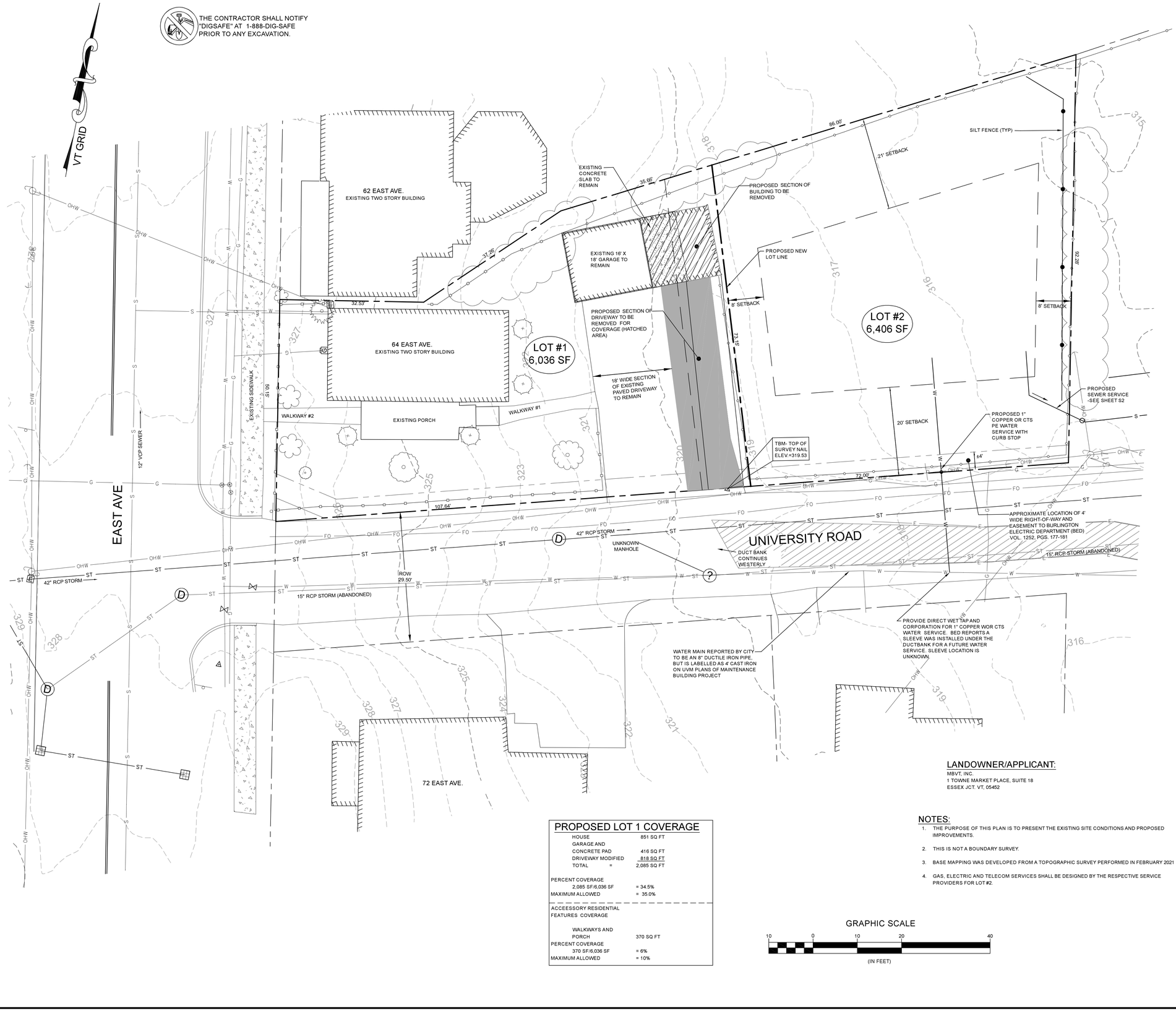


LOCATION MAP
NTS

LEGEND

- PROJECT PROPERTY LINE
- PROPOSED LOT LINE
- ABUTTER PROPERTY LINE
- EXISTING EASEMENT
- UTILITIES DUCTBANK IN CONCRETE
- PROPOSED BUILDING SETBACK
- 340 EXISTING CONTOUR
- EXISTING STOCKADE FENCE
- EXISTING CHAINLINK FENCE
- S EXISTING SEWER MAIN
- W EXISTING WATER MAIN
- ST EXISTING STORM PIPE
- OHW EXISTING OVERHEAD WIRE
- G EXISTING GAS MAIN
- FO EXISTING FIBER OPTIC LINE
- W PROPOSED WATER MAIN
- S PROPOSED SEWER MAIN
- TEMPORARY SILT FENCE

ZOINING DATA:

TAX MAP PARCEL NUMBER: 046-2-064-000
PROJECT PARCEL AREA: 0.29 AC
ZONING DISTRICT: RL

PROPOSED LOT #1 DIMENSIONAL STANDARDS

	REQ'D	PROPOSED
MINIMUM LOT SIZE	6,000 sq.ft	6,036 sq.ft
LOT FRONTAGE	60 ft	50' (Existing along East Avenue) 107' (Proposed along Univ. Road)
FRONT SETBACK	11.1 ft existing 23.4 ft existing	No change proposed along East Avenue No change proposed along Univ. Road
SIDE SETBACK	1.3 ft existing 10% of lot width	No change proposed along north prop. line 10% of 107.6' =11' (along Univ. Road) 11' proposed
REAR SETBACK	n/a corner lot	(two front yards and two side yards)

PROPOSED LOT #2 DIMENSIONAL STANDARDS

	REQ'D	PROPOSED
MINIMUM LOT SIZE	6,000 sq.ft	6,406 sq.ft
LOT FRONTAGE	60 ft	72 ft (Proposed along Univ. Road)
FRONT SETBACK	*	20 ft
GARAGE FRONT SETBACK	25 ft	>25 ft
SIDE SETBACK	10% of lot width	8 ft (10% of 72' =7.2' use 8')
REAR SETBACK	25% of lot depth	21 ft (25% of 82.7' = 20.7' round to 21')

* The average of Lot #2's adjacent lot front setback is 23.4' based on the existing Lot #1 house setback of 23.4' off University Road, rounded (± 5' per the Regulations) down to 20'.

PROPOSED LOT 1 COVERAGE

HOUSE	851 SQ FT
GARAGE AND CONCRETE PAD	416 SQ FT
DRIVEWAY MODIFIED	818 SQ FT
TOTAL =	2,085 SQ FT
PERCENT COVERAGE 2,085 SF/6,036 SF	= 34.5%
MAXIMUM ALLOWED	= 35.0%

ACCEESSORY RESIDENTIAL FEATURES COVERAGE	
WALKWAYS AND PORCH	370 SQ FT
PERCENT COVERAGE 370 SF/6,036 SF	= 6%
MAXIMUM ALLOWED	= 10%

LANDOWNER/APPLICANT:

MBVT, INC.
1 TOWNE MARKET PLACE, SUITE 18
ESSEX JCT. VT, 05452

NOTES:

1. THE PURPOSE OF THIS PLAN IS TO PRESENT THE EXISTING SITE CONDITIONS AND PROPOSED IMPROVEMENTS.
2. THIS IS NOT A BOUNDARY SURVEY.
3. BASE MAPPING WAS DEVELOPED FROM A TOPOGRAPHIC SURVEY PERFORMED IN FEBRUARY 2021
4. GAS, ELECTRIC AND TELECOM SERVICES SHALL BE DESIGNED BY THE RESPECTIVE SERVICE PROVIDERS FOR LOT #2.

GRAPHIC SCALE
10 0 10 20 40
(IN FEET)

Date	Revision	By

These plans shall only be used for the purpose shown below:

- [ ] Sketch/Concept
- [ ] Act 250 Review
- [x] Preliminary
- [ ] Construction
- [x] Final Local Review
- [ ] Record Drawing

LANDS OF
MBVT, INC.
64 EAST AVE BURLINGTON VT, 05401

2-LOT SUBDIVISION SITE PLAN

Lamoureux & Dickinson
Consulting Engineers, Inc.
14 Morse Drive, Essex Junction, VT 05452
802-878-4450 www.LDengineering.com

Project No. 21003
Survey MJB
Design DG
Drawn DG
Checked ABR
Date 02/10/21
Scale AS SHOWN
Sheet number S1

THE CONTRACTOR SHALL NOTIFY "DIGSAFE" AT 1-888-DIG-SAFE PRIOR TO ANY EXCAVATION.

VT GRID

62 EAST AVE.
EXISTING TWO STORY BUILDING

64 EAST AVE.
EXISTING TWO STORY BUILDING

EXISTING SINGLE STORY BUILDING

LOT #1

LOT #2

EXISTING PORCH

EXISTING PAVED DRIVEWAY

EXISTING SIDEWALK

12" VCP SEWER

EAST AVE

UNIVERSITY ROAD

42" RCP STORM

15" RCP STORM (ABANDONED)

PROPOSED WATER SERVICE ACROSS UVM PROPERTY- SEE SH. S1 FOR DETAILS

6" PVC INV.=312.5

CB
RIM=313.82
INV 12" RCP= 311.00

CO (TYP)

PRIOR TO SEWER CONSTRUCTION, CONTRACTOR SHALL EXCAVATE TO DETERMINE HORIZ. AND VERTICAL LOCATION OF STORM PIPES AT SEWER CROSSINGS TO CONFIRM SEWER WILL PASS OVER STORM PIPES.

PROPOSED NEW 6" PVC GRAVITY SEWER SERVICE 5' NORTH OF GAS LINE. CHANGE PIPE SLOPE AT STORM PIPE CROSSING FROM 1% TO 3.2%

1.0%

3.2%

42" RCP

CO

DMH
RIM= 315.30
INV 12" RCP(2)= 309.98
INV 42" RCP= 307.62

15" RCP STORM (ABANDONED)

SILT FENCE (TYP)

6" CLAY

SMH NORTH
RIM=315.19
INV 10" CLAY= 306.88
INV 6" CLAY= 307.82

DMH
RIM=315.00
INV 15" RCP= 304.84
INV 42" RCP= 302.55

0.39 % SLOPE 10" CLAY

CB
RIM=313.23
INV 15" RCP= 308.07
INV 15" RCP= 308.65

CONNECT NEW 6" SERVICE INTO EXISTING 10" CLAY SEWER USING ADS INSERTA-TEE, FERNCO QUICK SEAL, OR APPROVED EQUAL. NEW 6" INVERT ELEV. AT CONNECTION =307.5 ±. SEE DETAIL ON SHEET 4.

DMH
RIM= 321.44
INV 42" RCP= 310.70

UNKNOWN MANHOLE

WATER MAIN REPORTED BY CITY TO BE AN 8" DUCTILE IRON PIPE, BUT IS LABELLED AS 4" CAST IRON ON UVMPLANS OF MAINTENANCE SHED PROJECT

72 EAST AVE.

4 UNIVERSITY ROAD

SMH SOUTH
RIM=313.69
INV 10" CLAY= 307.38
INV 6" SDR35= 307.69

399.78' 2% SLOPE 12"

LEGEND

- PROJECT PROPERTY LINE
- PROPOSED LOT LINE
- ABUTTER PROPERTY LINE
- EXISTING EASEMENT
- UTILITIES DUCTBANK IN CONCRETE
- PROPOSED BUILDING SETBACK
- 340 EXISTING CONTOUR
- EXISTING STOCKADE FENCE
- EXISTING CHAINLINK FENCE
- S EXISTING SEWER MAIN
- W EXISTING WATER MAIN
- ST EXISTING STORM PIPE
- EXISTING OVERHEAD WIRE
- G EXISTING GAS MAIN
- W PROPOSED WATER MAIN
- S PROPOSED SEWER MAIN
- TEMPORARY SILT FENCE

GRAPHIC SCALE

20 0 20 40 80

(IN FEET)

1" = 20 ft.

Date	Revision	By

These plans shall only be used for the purpose shown below:

- ☐ Sketch/Concept
- ☐ Act 250 Review
- ■ Preliminary
- ☐ Construction
- ■ Final Local Review
- ☐ Record Drawing

LANDS OF

MBVT, INC.

64 EAST AVE BURLINGTON VT, 05401

Off-Site Sewer Plan

Project No.	21003
Survey	MJB
Design	DG
Drawn	DG
Checked	ABR
Date	05/07/21
Scale	AS SHOWN
Sheet number	S2

Lamoureux & Dickinson
Consulting Engineers, Inc.
14 Morse Drive, Essex Junction, VT 05452
802-878-4450 www.LDengineering.com

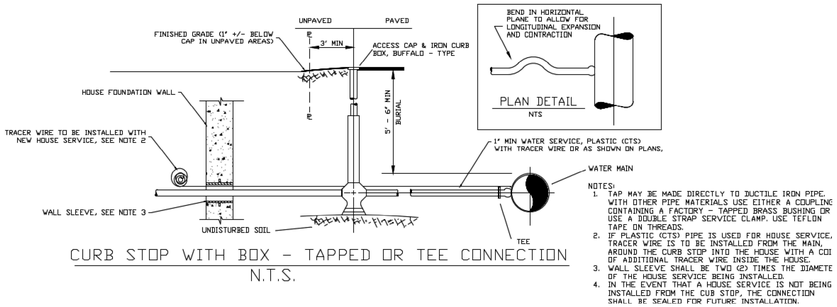
CITY WATER SPECIFICATIONS

NOTES:

Before construction of any utilities or improvements, the Contractor shall notify the Department of Public Works (DPW), IN WRITING, of intent to proceed.

1. All water mains, fittings, appurtenances and other materials, and construction shall conform to all applicable AWWA, State and City codes, standards and regulations. In the case of conflict between these construction details and specifications and a code or regulation, the decision of the Vermont Department of Health or VTDEC Water Supply shall be binding.
2. All water mains, fittings, appurtenances shall be installed in a workmanlike manner. Installation shall be under the general inspection of the Public Works Department. Before any water line work is commenced by the Contractor, they shall notify the Public Works Department at least five (5) work days in advance of his intention to proceed.
3. Connection to an existing water main shall be done under the supervision of, and with the approval of the Public Works Department. It is the Contractor's responsibility to secure ALL necessary permits and permission to make the connection and to coordinate all parties involved in the process. The Public Works Department shall be notified AT LEAST five (5) work days in advance of the intended connection time.
4. An inspector employed by the Public Works Department shall be notified at least two (2) days in advance of all water line installations. Said inspector shall be on the premises for all water line installations.
5. As-Builts prepared by the Contractor are required by the Public Works Department at the time of the completion of the water system. The contractor shall provide accurate tie sheets for all new valves, fittings and curb stops. The contractor shall allow the city to access the construction site to obtain additional infrastructure information throughout the project.
6. All water mains shall have horizontal and vertical distances as detailed on this drawing.
7. All public and private water mains: 1) 4" or greater shall be C-900 pipe (per note 21 below); 2) less than 4" in diameter shall be ULTRA-HIGH WEIGHT, CTS POLYETHYLENE TUBING DESIGNED FOR A WORKING PRESSURE OF 200 PSI (AWWA C-901, ASTM-D-1248 AND ASTM-D-2737). All water line fittings shall be ductile iron, (AWWA C-110), cement-lined. For water lines less than 4 inches in diameter, fittings (other than valves) shall MEET MANUFACTURER'S RECOMMENDATIONS AND MEET VERMONT ACT 193 REQUIREMENTS FOR LEAD CONTENT.
8. All buried valves shall conform to AWWA C-504 or C-509, and be resilient wedge gate valves up to 12 inch in size, and either resilient wedge or butterfly valves for larger sizes. All gate valves shall open right (clockwise) and shall have adjustable iron valve boxes extending to the finished grade (see Typical Details).
9. Hydrants shall be in accord with AWWA C-502, 3-way post type breakaway Kennedy K81-A, with two (2) 2-1/2" hose nozzles and one (1) 4-1/2" steamer nozzle. Nozzle threads shall be Roxbury double-start. Hydrants shall be provided with a 6.5' bury (riser). In all cases, it is the Contractor's responsibility to check with the Public Works Department to secure approval of the selected hydrant(s) and assure compatibility. All Hydrant drains shall be permanently plugged, or a non-draining hydrant shall be installed. All Hydrants shall be set back a minimum of three (3) feet from paved surfaces. In addition, wherever a traffic hazard appears to exist (in the opinion of the Public Works Department), the hydrant shall be protected by curbing and/or post-stanchions.
10. Curb boxes shall be Buffalo type with telescoping top and bolt-on caps.
11. All water lines and appurtenances shall be pressure and leak-tested, before being placed into service, according to AWWA Standard C-600. The test pressure shall be 200 psi (+/- 5psi), measured at or near the high point in the portion of the system being tested, and the test shall be run for two (2) hours. The Public Works Department shall be given at least twenty-four (24) hours notice before the test is to be conducted, and DPW personnel shall witness the test. Allowable leakage shall be computed by the following formula, L=(S x D x sq. root(P))/133200, where L=number of gallons allowed leakage per hour, S=length of pipe tested in feet, D=inches of nominal pipe diameter, P=average test pressure (psi gauge). The person(s) conducting the test(s) shall, IN WRITING, certify the results to the Public Works Department.
15. All water lines, before being put into service, shall be disinfected in accordance with the latest edition of AWWA C-651, or as directed by the Public Works Department. Contractor shall install 1" diameter tap in water main for chlorine injection. Tap shall be located as approved by the Public Works Department. The person(s) responsible for disinfection shall certify, IN WRITING, to the Public Works Department and Vermont Department of Health that this disinfection procedure was followed and the required minimum results were obtained. Contractor shall be responsible for all sampling and analysis costs. TAP USED FOR CHLORINATION SHALL BE CLOSED AND PLUGGED PRIOR TO BACKFILL. The contractor shall perform all construction activities in conformance with the latest edition of AWWA C-651. THE CONTRACTOR SHALL RECEIVE THE LATEST EDITION OF BURLINGTON'S WATER REPAIR FLOW CHART TO ENSURE CONFORMANCE WITH AWWA C-651. THE CITY REQUIRES BAC-T SAMPLES BE COLLECTED AND TESTED ANY TIME THE EXISTING WATER SYSTEM IS CUT INTO.
16. Water main valves and curb stops shall be inside city right-of-way.
17. No valves, hydrants, curb stops, etc. shall be operated without prior approval by the Public Works Department.
18. All taps larger than 1" require the use of bronze saddles. SADDLES ARE REQUIRED FOR ALL TAPS ON PVC PIPE.
19. All brass unions and adapters shall be low-lead by Cambridge.
20. All corporations and curb stops shall be Cambridge with nitrile gaskets.
21. Water mains 4" and larger shall be AWWA C900 PVC pipe with a pressure class of 305 psi (DR14). Mains 2" or less shall conform to AWWA C901 and be HDPE CTS pipe with a pressure class of 200 psi (SDR 9). All plastic pipe (INCLUDING SERVICES) will require a 12 AWG high strength copper clad steel tracer wire with blue insulation fastened directly to the top of pipe with nylon tie wraps or electrical tape. This tracer wire shall be a continuous run (no splices) between valves with ends for attaching a locating signal at every valve box, end of pipe run or every 500' of pipe, whichever is less. If no valve boxes are located within 500' of each other, a magnetized tracer box is required. Waterproof splices shall be allowed in valve boxes as per the detail on this sheet. Tracer wire, tracer boxes and wire nuts shall be manufactured by Copperhead Industries or approved equal. In addition, detectable metallic underground tape labeled "Caution Buried Water Line Below" shall be manufactured by Trumbull Industries or approved equal and buried approx. 2' below finished grade.
22. Nitrile Butadiene Rubber (NBR) gaskets shall be used in lieu of the standard Styrene Butadiene Rubber (SBR) gaskets for C900 water pipe and fittings.

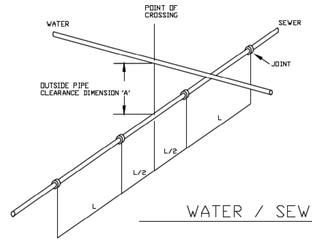
BURLINGTON, VT PUBLIC WORKS	WATER SYSTEM DETAILS	DESIGNED: SR/MSL DRAWN: SR/MSL CHECKED: SR/MSL	DRAWING NO. D-1
	WATER SYSTEM CAPITAL IMPROVEMENTS 2019 WATER MAIN REHABILITATION	SCALE: NONE	
	CITY OF BURLINGTON, VT	DATE: 12/11/18	



CURB STOP WITH BOX - TAPPED OR TEE CONNECTION

N.T.S.

NOTES:
1. TAP MAY BE MADE DIRECTLY TO DUCTILE IRON PIPE, WITH OTHER PIPE MATERIALS USE EITHER A COUPLING CONTAINING A FACTORY TAPPED BRASS BUSHING OR USE A DOUBLE STRAP SERVICE CLAMP. USE TEFLON TAPE ON THREADS.
2. IF PLASTIC (CTS) PIPE IS USED FOR HOUSE SERVICE, TRACER WIRE IS TO BE INSTALLED FROM THE MAIN, AROUND THE CURB STOP INTO THE HOUSE WITH A COIL OF ADDITIONAL TRACER WIRE INSIDE THE HOUSE.
3. WALL SLEEVE SHALL BE TWO (2) TIMES THE DIAMETER OF THE HOUSE SERVICE BEING INSTALLED.
4. IN THE EVENT THAT A HOUSE SERVICE IS NOT BEING INSTALLED FROM THE CUB STOP, THE CONNECTION SHALL BE SEALED FOR FUTURE INSTALLATION.

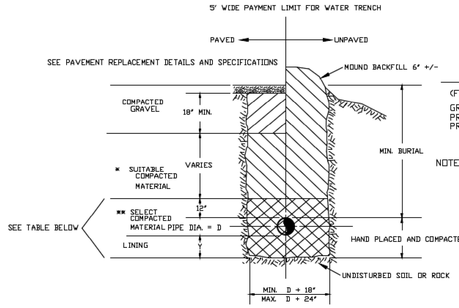


WATER / SEWER CROSSING DETAILS

N.T.S.

CONSTRUCTION RESTRICTIONS

1. IN ALL NEW CONSTRUCTION, DIMENSION 'A' SHALL NEVER BE LESS THAN 18 INCHES.
2. WITH ALL NEW CONSTRUCTION, THE CROSSING SHALL BE ARRANGED AS SHOWN IN THIS DIAGRAM, SO THAT THE SEWER JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS.
3. IF THE WATER MAIN MUST PASS BENEATH THE SEWER IN NEW CONSTRUCTION, OR IT IS IMPOSSIBLE TO MAINTAIN THE 18 - INCH SEPERATION DUE TO EXISTING UTILITY (PREVIOUS CONSTRUCTION ONLY), THEN ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE SEWER, PLUS THE WATER MAIN OR THE SEWER SHALL BE COMPLETELY ENCASED IN A SEAMLESS SLEEVE CONSISTING OF A FULL (MINIMUM 19 FEET) LENGTH OF PIPE (e.g. SDR 35 PVC), CENTERED ON THE CROSSED UTILITY.



MINIMUM BURIAL DEPTH
(FINISH GRADE TO TOP OF PIPE)
GRAVITY PIPE - SEE PLAN OR PROFILE
PRESSURE PIPE BENEATH PAVING - 6'-0"
PRESSURE PIPE BENEATH UNPAVED AREAS - 5'-6"

NOTES
1. WHERE BACKFILL IS DESIGNATED "COMPACTED", THIS MEANS 90% TO 95% STANDARD PROCTOR, AASHTO T-99. ALL FILL PLACED BELOW PIPES AND STRUCTURES TO MEET THIS REQUIREMENT.
2. FOR ALL TRENCHES WITH A GRADE GREATER THAN 4% AND/OR WHERE GROUNDWATER IS APPARENT, INSTALL CLAY DAMS AROUND PIPE AT 100' INTERVALS.
2. INSTALL TRACER WIRE AND DETCTABLE TAPE PER NOTE 21 ON THIS SHEET.

TYPICAL TRENCH DETAIL

N.T.S.

Y - DIMENSION	CONDITION & PIPE	** SELECT MATERIAL	LINING
0"	DUCTILE IRON PIPE IN "ORDINARY SOIL"	TYPE I II OR III	-
6"	ALL PIPE OVER BEDROCK OR LEDGE	TYPE II OR III	SAND OR TYPE III
4"	DUCTILE IRON PIPE IN CLAY OR MUCK	TYPE II OR III	SAND
6"	PLASTIC - ALL	SAND	SAND

* SUITABLE MATERIAL SHALL CONTAIN NO STONES GREATER THAN 4" IN DIAMETER, NO FROZEN LUMPS, AND ONLY MINOR AMOUNTS OF CLAY OR ORGANIC MATERIAL. ALL MATERIAL TO BE PLACED IN MAXIMUM OF 12" LIFTS AND COMPACTED BEFORE PLACING NEXT LIFT.

** TYPE I MATERIAL SHALL BE EITHER GRAVEL OR EXCAVATED MATERIAL CONTAINING NO STONES GREATER THAN 1 1/2" IN DIAMETER, NO FROZEN MATERIAL, NO CLAY, AND NO ORGANIC MATERIAL.

** TYPE II MATERIAL SHALL BE CLEAN, HARD, CRUSHED OR NATURAL STONE WITH A GRADATION BY WEIGHT OF 100% PASSING A 1 1/2" SQUARE OPENING, NOT MORE THAN 25% PASSING A 3/4" SQUARE OPENING, AND NOT MORE THAN 5% PASSING A 1/2" SQUARE OPENING.

** TYPE III MATERIAL SHALL BE CLEAN, HARD, CRUSHED STONE FREE FROM COATINGS AND THOROUGHLY WASHED WITH A GRADATION BY WEIGHT OF 100% PASSING A 1" SQUARE OPENING AND 0 TO 5% PASSING A 1/4" SQUARE OPENING.

Date	Revision	By

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LANDS OF

MBVT, INC.

64 EAST AVE. BURLINGTON, VT

WATER
DETAILS & SPECIFICATIONS

Lamoureux & Dickinson
Consulting Engineers, Inc.
14 Morse Drive, Essex, VT 05452
802-878-4450 www.LDengineering.com

Project No.	21003
Survey	L&D
Design	DJG
Drawn	DJG
Checked	ABR
Date	07/08/2021
Scale	AS SHOWN
Sheet number	3

GENERAL SPECIFICATIONS

1) ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, THE CITY OF BURLINGTON PUBLIC WORKS SPECIFICATIONS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND THESE PLANS.

2) UTILITY INFORMATION SHOWN ON THESE PLANS WAS OBTAINED FROM BEST AVAILABLE SOURCES AND MAY OR MAY NOT BE EITHER ACCURATE OR COMPLETE. CONTRACTOR SHALL VERIFY EXACT LOCATION OF EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY UTILITY, PUBLIC OR PRIVATE, SHOWN OR NOT SHOWN HEREON. CONTRACTOR SHALL VERIFY NEW TAP LOCATIONS AND SHALL CONNECT ALL UTILITIES TO NEAREST SOURCE THROUGH COORDINATION WITH UTILITY OWNER.

3) THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND REMOVAL OF ALL EXISTING VEGETATION, PAVEMENT, AND STRUCTURES NECESSARY TO COMPLETE THE WORK UNLESS NOTED ON THESE PLANS. CONTRACTOR SHALL REMOVE ALL TRASH FROM THE SITE UPON COMPLETION OF CONSTRUCTION.

4) ANY SURFACES, LINES OR STRUCTURES WHICH HAVE BEEN DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO A CONDITION AT LEAST EQUAL TO THAT IN WHICH THEY WERE FOUND IMMEDIATELY PRIOR TO BEGINNING OF CONSTRUCTION. SEE OTHER DETAILS ON THESE PLANS FOR ADDITIONAL DETAILS, REQUIREMENTS AND SPECIFICATIONS.

5) TEMPORARY CONSTRUCTION SIGNS AND TRAFFIC CONTROL SIGNS SHALL BE ERECTED BY THE CONTRACTOR IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, VTRANS STANDARDS DRAWINGS AND TOWN REQUIREMENTS.

6) THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO INSURE SITE ACCESS FOR EXISTING USERS, INCLUDING EMPLOYEES AND DELIVERIES, THROUGHOUT THE DURATION OF CONSTRUCTION.

7) THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS OR HER OWN EXPENSE FOR ENSURING THAT THE DUST CREATED AS A RESULT OF CONSTRUCTION DOES NOT CREATE A NUISANCE OR SAFETY HAZARD. WHERE AND WHEN DEEMED NECESSARY, THE CONTRACTOR WILL BE REQUIRED TO WET SECTIONS OF THE CONSTRUCTION AREA WITH WATER, APPLY CALCIUM CHLORIDE, OR SWEEP THE ROADWAY WITH A POWER BROOM FOR DUST CONTROL.

8) THE CONTRACTOR SHALL NOTIFY THE ENGINEER 24 HOURS IN ADVANCE OF STARTING ANY WORK, BEGINNING THE INSTALLATION OF ANY UTILITIES, BRINGING IN GRAVEL FOR THE NEW DRIVEWAY, INSTALLATION OF NEW UTILITY SERVICES, ALL TESTING, AND FINAL INSPECTION, IN ORDER TO ASSURE COMPLIANCE WITH THE PLANS.

9) PRIOR TO BEGINNING CONSTRUCTION, ALL MATERIALS SHALL BE APPROVED BY THE ENGINEER AND THE CITY.

10) ALL FILL SHALL BE PLACED IN 6 INCH LIFTS AND THOROUGHLY COMPACTED TO 95% OF MAXIMUM DENSITY OF OPTIMUM MOISTURE CONTENT AS DETERMINED BY AASHTO T-99 STANDARD PROCTOR, AND SHALL BE TESTED AT 200' INTERVALS, UNLESS OTHERWISE SPECIFIED.

11) CONSTRUCTION OBSERVATION AND CERTIFICATION IS OFTEN REQUIRED AS A CONDITION OF STATE AND LOCAL PERMITS. IT IS RECOMMENDED THAT CONSTRUCTION OF THE IMPROVEMENTS DETAILED ON THESE PLANS BE OBSERVED BY LAMOUREUX & DICKINSON CONSULTING ENGINEERS INC. (L&D) TO DETERMINE IF THE WORK IS BEING PERFORMED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS . L&D WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS THAT MAY ARISE FROM: FAILURE TO FOLLOW THESE PLANS AND SPECIFICATIONS AND THE DESIGN INTENT THAT THEY CONVEY, ANY CHANGES MADE IN THE PLANS AND SPECIFICATIONS OR IN THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS WITHOUT L&D's PRIOR KNOWLEDGE AND CONSENT, AND/OR FAILURE TO SCHEDULE OBSERVATION OF THE WORK AND TESTING IN PROGRESS.

SANITARY & STORM SPECIFICATIONS

1. THE HORIZONTAL AND VERTICAL SEPARATION FOR SEWER AND WATER LINES SHALL BE PROVIDED IN ACCORDANCE WITH THE LATEST VERMONT ENVIRONMENTAL PROTECTION RULES, CHAPTER 1 (WASTEWATER SYSTEM AND POTABLE WATER SUPPLY RULES) AND CHAPTER 21 (WATER SUPPLY RULE).

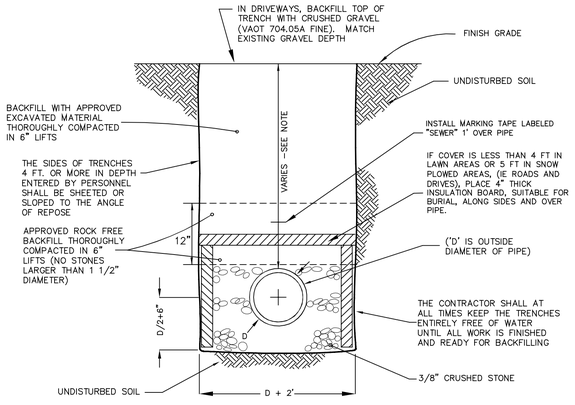
2. SANITARY AND STORM SEWER PIPES SHALL BE OF THE SIZE AND TYPE INDICATED ON THE PLANS. PVC PIPE SHALL BE SDR35 CONFORMING TO ASTM D-3034, ASTM D-3212, AND ASTM F-477. CORRUGATED POLYETHYLENE PIPE SHALL CONFORM TO AASHTO M294-90, TYPE S (SMOOTH LINE, DOUBLE WALL). PERFORATED UNDERDRAIN PIPE SHALL BE PVC SDR35 CONFORMING TO AASHTO M278-87 OR CORRUGATED POLYETHYLENE PIPE WITH SMOOTH INTERIOR WALL CONFORMING TO AASHTO M252-90.

3. ALL GRAVITY SANITARY SEWER PIPE SHALL BE PVC SDR 35 CONFORMING TO ASTM D-3034, ASTM D-3212, AND ASTM F-477.

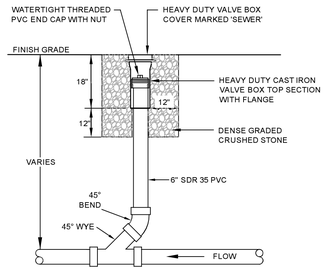
4. ALL NEW SANITARY SEWER AND WATER SERVICES SHALL BE TESTED IN ACCORDANCE WITH CITY STANDARDS AND THE STATE WASTEWATER SYSTEM AND POTABLE WATER SUPPLY RULES.

5. ANY SURFACES, LINES, OR STRUCTURES WHICH HAVE BEEN DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO A CONDITION AT LEAST EQUAL TO THAT IN WHICH THEY WERE FOUND IMMEDIATELY PRIOR TO THE BEGINNING OF CONSTRUCTION.

6. THE CONTRACTOR SHALL COORDINATE THE LOCATION AND INSTALLATION OF THE INDIVIDUAL SERVICES WITH THE OWNER AT THE TIME OF CONSTRUCTION.



TYPICAL SANITARY SEWER SERVICE TRENCH



TYPICAL CLEANOUT

NTS

TURF ESTABLISHMENT SPECIFICATIONS

ALL DISTURBED AREAS THAT DO NOT HAVE AN IMPERVIOUS SURFACE (PAVEMENT, SIDEWALKS, ROOFS) OR ARE NOT LANDSCAPED WITH BARK MULCH, SHALL BE STABILIZED NEW GRASS COVER. ALL SEEDING AND MULCHING FOR ESTABLISHING NEW GRASS COVER SHALL BE COMPLETE PRIOR TO SEPTEMBER 15. PLACEMENT OF TOPSOIL, AND THE APPLICATION OF SEED, FERTILIZER, LIME (WHERE APPLICABLE), AND MULCH SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

1. A MINIMUM OF 4" OF APPROVED TOPSOIL SHALL BE PLACED IN ALL AREAS. PLACEMENT OF TOPSOIL SHALL NOT BE DONE WHEN THE GROUND OR TOPSOIL IS FROZEN, EXCESSIVELY WET, OR OTHERWISE IN A CONDITION DETRIMENTAL TO THE WORK. FOLLOWING PLACEMENT OF TOPSOIL, THE SURFACE SHALL BE RAKED. ALL STONES, LUMPS, ROOTS, OR OTHER OBJECTIONAL MATERIAL SHALL BE REMOVED.

2. URBAN SEED MIXTURE SHALL BE SPREAD UNIFORMLY IN ALL AREAS AT THE SPECIFIED RATE.

3. FERTILIZER SHALL BE APPLIED ONLY AFTER PERFORMING A SOIL TEST ON THE IN-PLACE OR STOCKPILED TOPSOIL, AND BE APPLIED ONLY BASED UPON SOIL DEFICIENCIES. LIME SHALL ONLY BE APPLIED AS NEEDED BASED UPON A SOIL pH TEST.

4. MULCHING SHALL FOLLOW THE SEEDING OPERATION BY NOT MORE THAN 24 HOURS. MULCH SHALL BE SPREAD UNIFORMLY OVER THE AREA AT A MINIMUM RATE OF 2 TONS PER ACRE. SITE CONDITIONS MAY WARRANT THE APPLICATION OF A TACKFIER TO HOLD THE MULCH IN PLACE. IF NECESSARY TO RETAIN THE MULCH, THE CONTRACTOR SHALL APPLY AN APPROVED TACKIFIER WITHOUT ADDITIONAL COST TO THE OWNER.

5. ALL SLOPES STEEPER THAN 3H:1V SHALL HAVE EROSION MATTING APPLIED OVER THE SEED. ALL DITCH CENTERLINE GRADES GREATER THAN 5% OR AS SHOWN ON THE PLANS SHALL HAVE EROSION MATTING APPLIED OVER THE SEED. EROSION MATTING SHALL CONSIST OF EROSION CONTROL BLANKET WITH 100% AGRICULTURAL STRAW MATRIX STITCH BOUNDED WITH DEGRADABLE THREAD BETWEEN TWO BIODEGRADABLE JUTE FIBER NETTINGS, NORTH AMERICAN GREEN S150BN OR EQUAL.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A FULL GROWTH OF GRASS IN ALL DISTURBED AREAS TO BE RE-VEGETATED. VEGETATION GROWTH SHALL BE PERMANENT AND SUFFICIENT TO PREVENT EROSION OF THE UNDERLYING SOIL UNDER ALL CONDITIONS OF PRECIPITATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AND CARING FOR SEEDED, MULCHED, AND AREAS OF ESTABLISHED VEGETATION UNTIL FINAL ACCEPTANCE OF THE WORK BY THE OWNER.

URBAN MIX GRASS SEED		
% BY WEIGHT	LBS. LIVE SEED PER ACRE	TYPE OF SEED
37.5	45	CREEPING RED FESCUE
37.25	37.5	KENTUCKY BLUEGRASS
25.25	37.5	WINTER HARDY, PERENNIAL RYE
100	120 # LIVE SEED PER ACRE	

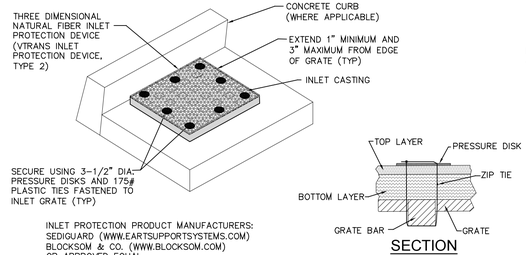
PLAN

NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS-OF -WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT TRACKED, SPILLED, OR WASHED ONTO PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
2. THE USE OF CALCIUM CHLORIDE OR WATER MAY BE NECCESSARY TO CONTROL DUST DURING THE SUMMER. CONTACT VTDEC PRIOR TO THE USE OF CALCIUM CHLORIDE.
3. PROVIDE APPROPRIATE TRANSITION BETWEEN STABILIZED CONSTRUCTION ENTRANCE AND PUBLIC RIGHT-OF-WAY.

STABILIZED CONSTRUCTION EXIT

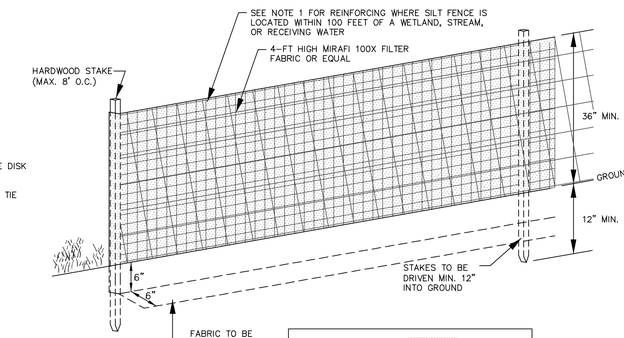
NTS



INLET PROTECTION PRODUCT MANUFACTURERS:
SEDIGUARD (WWW.EARTSUPPORTSYSTEMS.COM)
BLOCKSOM & CO. (WWW.BLOCKSOM.COM)
OR APPROVED EQUAL

INLET PROTECTION

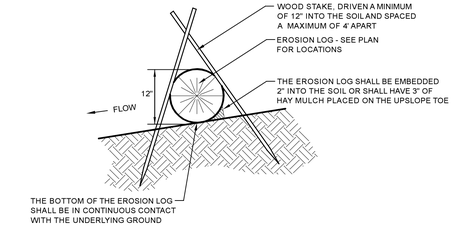
NTS



NOTES
1) SILT FENCE INSTALLED WITHIN 100 FEET OF A WETLAND, STREAM, OR RECEIVING WATER SHALL BE REINFORCED WITH WOVEN WIRE FENCE (MIN. 14 GAUGE WIRE WITH 6" MAX. MESH SPACINGS)
2) USE ONLY MANUAL METHODS OF INSTALLATION AND CLEANING WITHIN WETLAND AND BUFFER ZONE.
3) PRIOR TO BEGINNING OF CONSTRUCTION OR EARTHMOVING, THE CONTRACTOR SHALL INSTALL A CONTINUOUS SILT FENCE AT THE LIMIT OF DISTURBANCE SHOWN ON THE SITE PLAN.
4) FROZEN MATERIAL SHALL NOT BE USED TO KEY IN THE BOTTOM OF THE SILT FENCE. IF NECESSARY, GRANULAR BORROW SHALL BE USED BY THE CONTRACTOR TO KEY IN THE SILT FENCE RATHER THAN FROZEN NATIVE MATERIAL.
5) THE CONTRACTOR SHALL INSTALL SILT FENCE AROUND THE PERIMETER OF TOPSOIL STOCKPILES AND AT OTHER LOCATIONS AS NEEDED.

TEMPORARY SILT FENCE

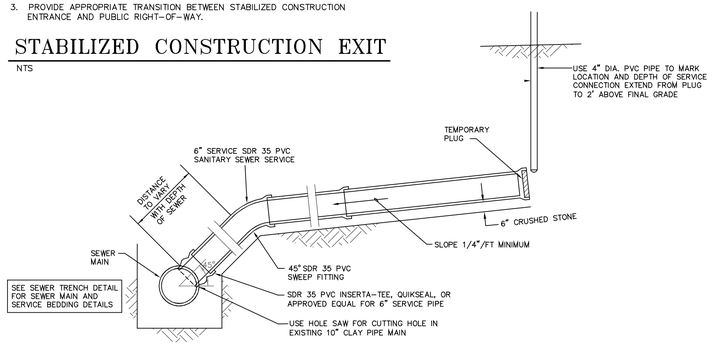
NTS



NOTES:
1. TIGHTLY ABUT THE ENDS OF THE EROSION LOGS - NO GAPS.
2. INSTALL EROSION LOGS PARALLEL TO CONTOURS AS SHOWN ON THE PLANS.

EROSION LOG SECTION

NTS



CONSTRUCTION NOTES:
1. THE EXISTING SEWER COLLECTION SYSTEM SHALL REMAIN IN SERVICE THROUGHOUT EXECUTION OF THE WORK. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND HARDWICK PUBLIC WORKS DEPARTMENT ON THE TIMING AND EXECUTION OF THE WORK.

2. THROUGHOUT EXECUTION OF THE WORK FOR THE NEW CONNECTION, THE CONTRACTOR SHALL PREVENT GROUNDWATER, SEDIMENT, OR DEBRIS FROM ENTERING THE SEWER PIPING.

3. SEE TYPICAL SEWER TRENCH DETAIL FOR PIPE AND FITTING BEDDING REQUIREMENTS. THE NEW AND EXISTING PIPE AND FITTINGS SHALL BE ADEQUATELY SUPPORTED ALONG THEIR ENTIRE LENGTH BY 3/8" CRUSHED STONE PRIOR TO BACKFILL.

TYPICAL NEW SEWER SERVICE CONNECTION

NTS

Date	Revision	By

These plans shall only be used for the purpose shown below:

- ☐ Sketch/Concept
- ☐ Act 250 Review
- ■ Preliminary
- ☐ Construction
- ■ Final Local Review
- ☐ Record Drawing

LANDS OF

MBVT, INC.

64 EAST AVE. BURLINGTON, VT

SITEWORK DETAILS & SPECIFICATIONS

Project No.	21003
Survey	L&D
Design	DJG
Drawn	DJG
Checked	ABR
Date	07/08/2021
Scale	AS SHOWN
Sheet number	4

Lamoureux & Dickinson
Consulting Engineers, Inc.
14 Morse Drive, Essex, VT 05452
802-878-4450 www.LDengineering.com

LOCATION MAP
NTS

NOTES

1. THIS PLAT WAS COMPILED FROM FIELD SURVEYS AND RECORD RESEARCH, INCLUDING THE USE OF THE FOLLOWING PLANS;

A. " PLAN OF PLOT OF LAND SOLD TO MR. E GADUE BY THE UNIVERSITY OF VERMONT" DATED, JULY, 1923, BY C.W. HORTON ENGINEER AS FILED IN DRAWER 15 DRAWING 67 OF THE UNIVERSITY OF VERMONT LAND RECORDS.

B. " PLAN OF LANDS SOLD TO H.J. COLTON E. GADUE G.H. ARMSTRONG FROM THE HICKOK PURCHASE EAST AVE" DATED MARCH, 1932, BY A.D. BUTTERFIELD & G.A. LYNDE, AS FILED IN DRAWER 15 DRAWING 29 OF THE UNIVERSITY OF VERMONT LAND RECORDS.

C. " PLAN OF PORTION OF PROPERTY ESTATE OF H.L HICKOK IN THE CITY OF BURLINGTON AND SOUTH BURLINGTON" DATED FEB., 1897, AS RECORDED IN BOOK 37 PAGE 478 OF THE CITY OF BURLINGTON LAND RECORDS.

D. " UNIVERSITY OF VERMONT CENTENNIAL WOODS NATURAL AREA CITIES OF BURLINGTON AND SOUTH BURLINGTON" DATED SEPT. 14, 1993, BY HARRIS G. ABBOTT L.S. AS RECORDED IN SLIDE 396 OF THE CITY OF BURLINGTON LAND RECORDS.

E. "PLAT OF SURVEY SHARON FOLEY BUSHOR PROPERTY .20 AC NO 52 EAST AVE" DATED MAY 31, 2017 BY WARREN ROBENSTIEN LS. AS RECORDED IN SLIDE 533D IN THE CITY OF BURLINGTON LAND RECORDS

F. "MEDICAL CENTER HOSPITAL OF VERMONT, MARY FLETCHER UNIT" DATED JULY 15, 1975, BY DONALD L. HAMLIN CONSULTING ENGINEERS INC. AS RECORDED IN SLIDE 262-C OF THE CITY OF BURLINGTON LAND RECORDS

2. BEARINGS ARE BASED ON SURVEY GRADE GPS OBSERVATIONS TAKEN AT THE TIME OF THIS SURVEY, MAY, 2021.

3. THIS PROPERTY MAY BE SUBJECT TO OTHER EASEMENTS AND/OR RIGHTS-OF-WAY.

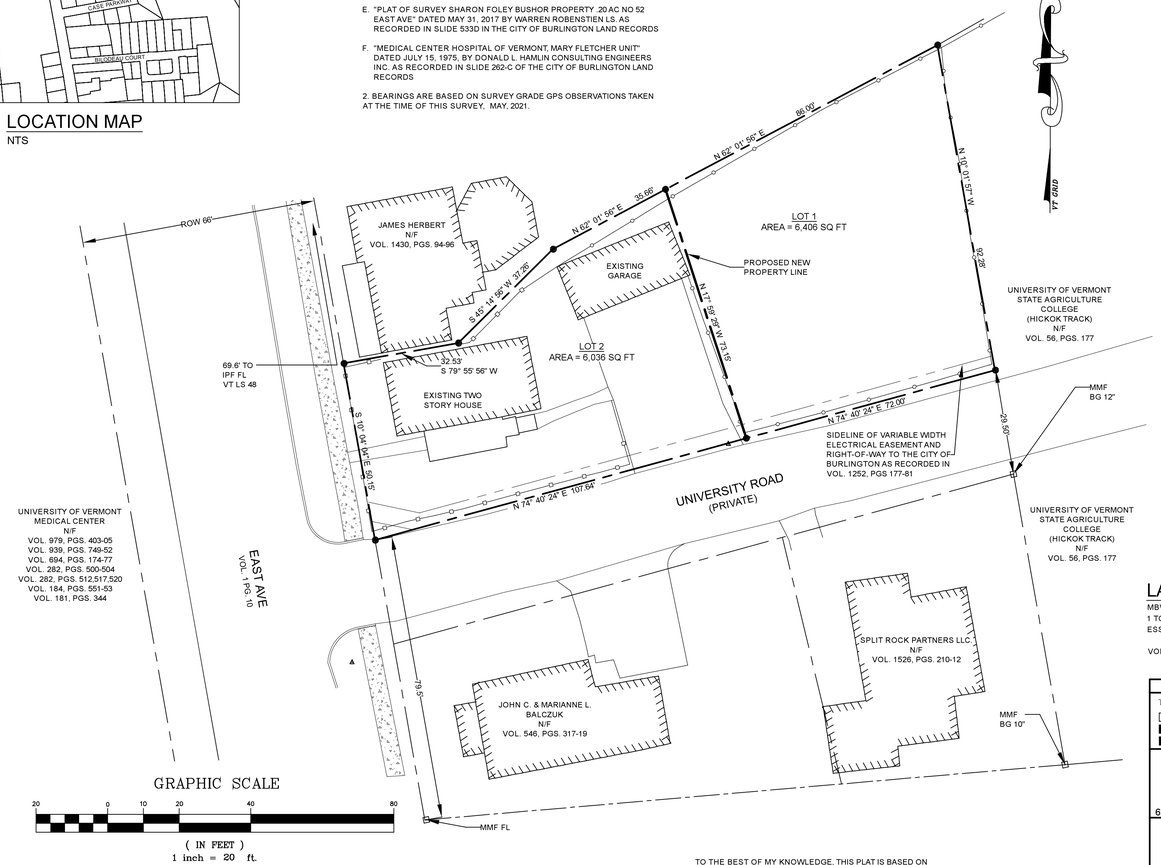
4. THE RIGHT OF WAY WIDTH FOR EAST AVE IS 66' IS BASED UPON THE DEED FOUND IN BOOK 1 PAGE 10, AND THE PLANS REFERENCED IN NOTES 1A, 1E & 1F.

5. THE RIGHT OF WAY WIDTH FOR UNIVERSITY ROAD IS 29.5' BASED ON THE PLANS REFERENCED IN NOTE 1A AND 1B

6. ALL IRON PIPES SET ARE 1" INSIDE DIAMETER AND ALL MONUMENTATION FOUND IS AS NOTED.

LEGEND

- PROJECT PROPERTY LINE
- ABUTTER PROPERTY LINE
- PROPOSED NEW PROPERTY LINE
- SIDELINE OF EXISTING EASEMENT
- EXISTING STOCKADE FENCE
- EXISTING CHAINLINK FENCE IRON
- PIPE/ REBAR TO BE SET
- MMF — MARBLE MONUMENT FOUND
- AG — ABOVE GRADE
- BG — BELOW GRADE
- FL — FLUSH



GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

APPROVED BY RESOLUTION OF THE DEVELOPMENT REVIEW BOARD OF THE CITY OF BURLINGTON,
VERMONT ON THE _____ DAY OF _____, 2021, SUBJECT TO ALL REQUIREMENTS AND CONDITIONS OF SAID RESOLUTION. SIGNED THIS _____ DAY OF 2021 BY _____
CHAIR

TO THE BEST OF MY KNOWLEDGE, THIS PLAT IS BASED ON INFORMATION ABSTRACTED FROM PERTINENT DEEDS AND/OR OTHER OFFICIAL RECORDS, AND MARKERS EVIDENT ON THE PROPERTY, AND CONFORMS WITH THE REQUIREMENTS OF 27 VSA SECTION 1403. DATED

THIS _____ DAY OF _____, 2021

_____

CITY OF BURLINGTON, VT.
RECEIVED FOR RECORD AT_____ O'CLOCK ____ M.,
_____, 2021 AND RECORDED IN SLIDE#_____
_____ ATTEST:
_____ CITY CLERK

LANDOWNER/APPLICANT:

MBVT INC.
1 TOWNE MARKET PLACE, SUITE 18
ESSEX JCT. VT, 05452

VOL. 1572, PGS. 245-47

Date	Revision	By

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- ☐ Act 250 Review
- ☐ Construction
- ☐ Record Drawing

LANDS OF
MBVT INC.
64 East Ave. Burlington VT, 05401

2-LOT SUBDIVISION PLAT

Project No.	21003
Survey	MJB
Design	MJB/DJG
Drawn	MJB
Checked	DLH/DJG
Date	07-14-21
Scale	1" = 20'
Sheet number	PL

Lamoureux & Dickinson Consulting Engineers, Inc.
14 Morse Drive, Essex, VT 05452
802-878-4450 www.LDengineering.com

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